

# B.S. MICROBIOLOGY

Use this check sheet with your Degree Progress Report (DPR).

To learn about requirements for admission to the major, please visit our online course catalog page: <http://www2.ku.edu/~distinction/cgi-bin/admission368>

**KU CORE REQUIREMENTS** See <https://kucore.ku.edu/fulfilling-the-core> for approved KU Core courses and/or experiences.

Goal 1. Critical Thinking & Quantitative Literacy	Outcome 1 <input type="checkbox"/>	Outcome 2 (Can be satisfied by degree reqs.)
Goal 2. Communication	Outcome 1 <input type="checkbox"/> <input type="checkbox"/>	Outcome 2 <input type="checkbox"/>
Goal 3. Breadth of Knowledge	Arts & Humanities <input type="checkbox"/>	Social Sciences <input type="checkbox"/>
Goal 4. Culture & Diversity	Outcome 1 <input type="checkbox"/>	Outcome 2 <input type="checkbox"/>
Goal 5. Social Responsibility & Ethics	<input type="checkbox"/>	Natural Sciences (Can be satisfied by degree reqs.)
Goal 6. Integration & Creativity	<input type="checkbox"/>	<input type="checkbox"/>

**BS GENERAL EDUCATION REQUIREMENTS** Focus on completing KU Core reqs first. Refer to your DPR and talk with a biology advisor.

**GENERAL SCIENCE REQUIREMENTS** (49–51 h)

BIOL 150/151 Prin Molecular & Cell Biology (4)	<input type="checkbox"/>	PHSX 114 & 115 College Physics I & II (8) <b>OR</b>	<input type="checkbox"/> <input type="checkbox"/>
BIOL 350/360 Principles of Genetics (3-4)	<input type="checkbox"/>	PHSX 211+216 & 212+236 Gen. Physics I & II (9)	
CHEM 130 Foundations of Chemistry I (5)	<input type="checkbox"/>	MATH 121 Calculus I (5) <b>OR</b> MATH 115 & 116 Calculus I & II (6)	<input type="checkbox"/> ( <input type="checkbox"/> )
CHEM 135 Foundations of Chemistry II (5)	<input type="checkbox"/>	BIOL 570 Intro to Biostatistics (3) <b>OR</b> MATH 365 Elementary	<input type="checkbox"/>
CHEM 330 Organic Chemistry I (3)	<input type="checkbox"/>	Statistics (3) <b>OR</b> PSYC 210 Statistics Psychological Research (3)	
CHEM 331 Organic Chemistry I Lab (2)	<input type="checkbox"/>	BIOL 636 Biochemistry I (3)	<input type="checkbox"/>
CHEM 335 Organic Chemistry II (3)	<input type="checkbox"/>	BIOL 638 Biochemistry II (3)	<input type="checkbox"/>
CHEM 336 Organic Chemistry II Lab (2)	<input type="checkbox"/>		

**MICROBIOLOGY REQUIREMENTS** (29 h)

BIOL 400/401 Fundamentals of Microbiology (3)	<input type="checkbox"/>	BIOL 507 Pathogenic Microbiology Laboratory (2)	<input type="checkbox"/>
BIOL 402 Fundamentals of Microbiology Lab (2)	<input type="checkbox"/>	BIOL 512 General Virology (3)	<input type="checkbox"/>
BIOL 416/536 Cell Structure & Function (3)	<input type="checkbox"/>	BIOL 513 Virology Laboratory (2)	<input type="checkbox"/>
BIOL 503 Immunology (3)	<input type="checkbox"/>	BIOL 518 Microbial Genetics (3)	<input type="checkbox"/>
BIOL 504 Immunology Laboratory (2)	<input type="checkbox"/>	BIOL 519 Microbial Genetics Laboratory (2)	<input type="checkbox"/>
BIOL 506 Pathogenic Microbiology (3)	<input type="checkbox"/>	BIOL 599 Senior Seminar: Current Progress in Microbiology (1) (must be taken Sr yr)	<input type="checkbox"/>

**ELECTIVE REQUIREMENTS (6 h):** BIOL courses numbered 400 or higher to be selected in consultation with a Microbiology advisor.

BIOL _____ ( __ h) <input type="checkbox"/>	BIOL _____ ( __ h) <input type="checkbox"/>	BIOL _____ ( __ h) <input type="checkbox"/>
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- **Completing the minimum General Science and major requirements** set forth above results in **84 overall h** and **54 Jr/Sr h**. Double majors must complete  $\geq 15$  h in the major (i.e., not in Core/Gen Ed Reqs or General Science Reqs) that are *unique* to that major. **84 h**  **54 Jr/Sr h**
- **At least 120 h** (of which **45 must be Jr/Sr h**—courses numbered 300 or above) **must be completed for graduation.** **120 h**  **45 Jr/Sr h**